



SAFETY DATA SHEET

Date Revised: 01/01/2024

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **Perlite Ore** – All Grades
Chemical Name: AMORPHOUS ALUMINA SILICATE
CAS #: 130885-09-5
Uses: Horticulture, Construction, Industrial, and Environmental Quality Applications

Supplier: Supreme Perlite Company
4600 N Suttle Road
Portland, Oregon 97217
Phone: (503) 286-4333
Website: www.supremeperlite.com

SECTION 2: HAZARD IDENTIFICATION

2.1 GHS classification:

Physical and chemical hazards:	No classification
Human health:	No classification
Environment:	No classification

2.2 Label elements:

Pictogram:	None
Signal word:	None
Hazard statement:	None
Precautionary statements:	None

Prolonged and repeated exposure to excessive concentrations of this products dust, or any nuisance dust, can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness. This product has not been classified as a carcinogen by NTP or IARC.

Supplemental Recommendations:

- Avoid creating unnecessary dust, and wear NIOSH approved dust protection mask.
- Wear NIOSH approved eye protection when encountering perlite dust.
- Apply skin creams or lotions to prevent drying.
- Dispose of waste in accordance with applicable local, State, and Federal regulations.

SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

Perlite (Amorphous Alumina Silicate): CAS #130885-09-5 (100%)
Quartz (crystalline silica): none or below detectable limit (<0.1%)

SECTION 4: FIRST AID MEASURES

Inhalation: Remove to fresh air. Drink water to clear throat. Blow nose to evacuate dust.
Eyes: Flush with water. DO NOT rub eyes. Consult physician if symptoms persist.
Skin: Wash with water. Apply creams or lotions to prevent drying.

SECTION 5: FIRE FIGHTING MEASURES

Non-flammable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Use appropriate Personal Protective Equipment (PPE) and avoid creating unnecessary dust using normal cleanup methods: shovels brooms, vacuum with HEPA filter, or wet material prior to cleanup.

SECTION 7: HANDLING & STORAGE

Handling Precautions: Avoid creating unnecessary dust and use appropriate respiratory and eye protection. Avoid contact with eyes. Seal broken bags immediately. Continue to follow all SDS/label warnings when handling empty containers.

Storage Precautions: Keep material dry

Incompatible Materials: Hydrofluoric acid

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: OSHA PEL – TWA: 5 mg/m³ (respirable fraction) / 15 mg/m³ (total dust)
NIOSH – TWA: 5 mg/m³ (respirable dust) / 10 mg/m³ (total dust)

Engineering Controls: Adequate ventilation to keep concentrations below PEL exposure limits.

Recommended PPE: Appropriate NIOSH/OSHA approved dust respirator, NIOSH/OSHA tight-fitting safety glasses or goggles and gloves.

Respirator: <10x PEL, use an N95 quarter or half mask respirator; <50x PEL, use a full face respirator equipped with N95 filters; <200x PEL, use a powered air purifying respirator (positive pressure) with N95 filters; >200x PEL, use a full face, Type C Supplied Air respirator (continuous flow mode).

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State (Appearance):	Gray to brown granular.
Odor:	Odorless
pH:	6.5 – 7.5
Flash Point:	N/A
Boiling Point:	N/A
Auto-ignition Temperature:	N/A
Melting Point:	1,945 °F
Boiling & Decomposition Points:	N/A
Specific Gravity:	2.2 - 2.4
Bulk Density:	less than 10 lbs per cubic foot
Water Solubility:	Negligible
Co-efficient of Water/Oil Distribution:	N/A

SECTION 10: STABILITY & REACTIVITY

Stability:	Stable under normal use and conditions.
Reactivity Hazards:	Hydrofluoric Acid
Hazardous Decomposition Products:	Will react with hydrofluoric acid to produce toxic silicon tetrafluoride.
Hazardous Polymerization:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Summary: Prolonged and repeated exposure to excessive concentrations of this products dust, or any nuisance dust, can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness. This product has not been classified as a carcinogen by NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION

Perlite is a naturally occurring mineral and has no known ecotoxic effects. Generally considered chemically inert in the environment. Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

SECTION 13: DISPOSAL CONSIDERATIONS

Perlite, by itself, is a non-hazardous. Waste is not hazardous as defined by RCRA (40 CFR 261). Other state and local regulations may vary, consult local agencies as needed. Used material which has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

SECTION 14: TRANSPORTATION INFORMATION

Proper Name:	Perlite Crude
DOT:	Not Regulated
TDG/IMO/ICAO:	Not Regulated

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communications Standard, 29 CFR 1910.1200: Material not considered hazardous, see Section 3.

RCRA: Material not defined as hazardous waste per 40 CFR 261.

TSCA: Material listed in the TSCA inventory, and is not otherwise regulated by TSCA Sec. 4, 5, 6, 7 or 12.

CERCLA: Material is not reportable under CERCLA, local requirements may vary.

SARA: 311/312 Hazard Categories - Immediate and delayed health, 313 Reportable Ingredients - none.

Canada: this product is listed on the DSL.

California Proposition 65: Not applicable.

EU (REGULATION (EC) N° 1272/2008): This material is labeled and supported accordingly with GHS standards.

SECTION 16: OTHER INFORMATION

The information provided in this document is correct to the best of our knowledge as of the publication date. This information pertains only to the material specified and may not be valid when this material is combined with other materials or subjected to other processes. No warranty or quality specification is implied by this information. It is the responsibility of the user to handle the designated material in a safe manner and comply with all applicable local, State and Federal regulations.